



OCAP Reference Implementation Support Program

enableTV's staff has a long history with the design, architecture, and development that makes up the CableLabs Reference Implementation. enableTV has designed our OCAP Reference Implementation Support Program to help you make the most of the OCAP Reference Implementation.

enableTV's OCAP Reference Implementation Support Program is the only commercially available program designed to support the CableLabs Reference Implementation.

Providing the Support

With a middleware as large and as complex as the OCAP Reference Implementation, learning the architecture, knowing where to begin the port, and having someone to go to when you have questions is key to developing a quality port quickly and efficiently. enableTV provides that and more.

RI Technical Support

As part of the OCAP Reference Implementation Support Program, you have access to enableTV's technical support team. enableTV's technical support team has been supporting the OCAP middleware—which was the basis for the Reference Implementation—for years. They understand how the OCAP middleware is architected and how it has been implemented. They have access to the engineers who developed and designed the OCAP middleware. For you, this translates into knowledgeable answers and a database that can be searched for technical support issues and resolutions.

Porting Layer Tests

As you finish the port of the CableLabs Reference Implementation to your platform, you will need to test it at the porting layer level. enableTV has developed test suites to ensure the porting layer meets the needs of the OCAP managers. enableTV is continually adding to this suite to ensure the quality of your port evolves with the needs of the OCAP RI.

Documentation

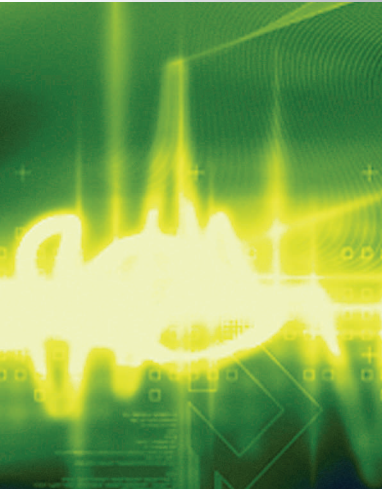
Porting a middleware of this size requires an understanding of the software architecture as well as a thorough description of each API. enableTV has developed a comprehensive Porting Guide to navigate this complicated process. The Porting Guide includes the following:

- Overview of each porting layer
- Details on the build environment
- Details on services, including operating system, file system, communications, graphics, media, and POD
- Details on test procedures
- Details on porting APIs

In addition, enableTV also provides the OCAP Java API Reference Manual, which contains detailed information for each of the Java-level APIs that are needed to write applications for OCAP.

Training

With each entry into the OCAP Reference Implementation Support Program, you get three seats in the *OCAP API Essentials* course, the industry's only 2-day introductory course for OCAP. This training is designed to get your engineering team up to speed on what OCAP is, and what it is not.



The enableTV Advantage

enableTV is focused on delivering sustainable interactive television technology and services to network operators, CE manufacturers, and content programmers. We have years of experience with ETV and tru2way and can develop, test, and deploy interactive services across multiple devices and networks. Our expertise includes software engineering, platform porting, application development, testing, technical writing, and training.

Professional Services

- Software Engineering—systems engineering, platform porting and application development
- Consulting—industry support and standards representation
- Testing—platform testing, application testing and custom test development
- Integration and Deployment—network migration, systems integration, deployment, and operations
- Technical Documentation—programmer documents, end-user manuals, online help, standards, and specifications
- Training—curriculum creation and delivery for APIs, authoring tools and digital media.

Engineering Design/Development

- Designed and developed the OCAP implementation for OCAP Development, LLC
- Architects of native, DVB-MHP and OCAP components, porting layers and test suites
- Set-top box OS, driver, JVM, UI and library design/development
- iTV application development for PowerTV, MystroTV, OpenTV, MHP and OCAP
- Designed and developed OCAP Monitor Application
- Designed and developed OpenTV, MHP and OCAP authoring tools and simulators
- Designed and developed multiple automated test environment for OCAP

Documentation

- Delivered award-winning API documents, programmer guides, user guides, hardware porting guides and software and application developer's kits
- Developed engineering specifications including design, functional requirements and software architecture
- Developed Industry standard specifications (OCAP, ETV, CD-i, DVD)

Training

- *OCAP Essentials* (2 day course)
- *OCAP Application Developers Workshop* (5 day course)
- *ETV Essentials* (2 day course)

Customers & Relationships

Time Warner Cable	Cisco
Comcast	Motorola
Cox	ARRIS
Charter	NDS
Canoe	UniSoft
TVWorks	EchoStar
Guideworks	Thomson
Comcast Media Center	S&T
CableLabs	Broadcom
OpenTV	ST Microsystems
Intel	Sigma